

Product datasheet for **RN202476**

Ncs1 (NM_024366) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ncs1 (NM_024366) Rat Untagged Clone
Tag: Tag Free
Symbol: Ncs1
Synonyms: Freq
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202476 representing NM_024366
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAATCCAACAGCAAGTTGAAGCCTGAAGTTGTGGAGGAGCTGACCAGAAAAACCTACTTCACTG
AAAAGGAAGTACAGCAGTGGTACAAGGGTTTCATTAAGGACTGCCCCAGTGGGCAGCTGGACGCCGCTGG
CTTCCAGAAGATCTACAAACAGTTCTTCCATTTGGAGACCCACCAAGTTCGCCACGTTTGTTCATC
GTCTTCGACGAGAACAAGGATGGCAGGATCGAGTTCTCCGAATTCATCCAGGCTCTATCGGTGACCTCAA
GGGGGACCTGGATGAGAAGTTGAGGTGGCCCTTCAAGCTTTATGACTTGGATAACGACGGCTACATCAC
CAGAAACGAGATGCTGGACATAGTGGATGCCATTTACCAGATGGTGGGAACACCGTGGAGCTCCAGAA
GAAGAGAACACACCAGAGAAGAGGGTGGACCGGATCTTCGCCATGATGGATAAGAACGCTGATGGGAAGC
TAACTCTTCAGGAGTCCAGGAAGGCTCCAAGGCCGACCCTCCATTGTGCAGGCGCTGTCCCTTACGA
CGGGCTGGT**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024366
Insert Size: 573 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_024366.1</u> , <u>NP_077342.1</u> |
| RefSeq Size: | 1764 bp |
| RefSeq ORF: | 573 bp |
| Locus ID: | 65153 |
| UniProt ID: | <u>P62168</u> |
| Cytogenetics: | 3p12 |
| Gene Summary: | mediates increased phosphoinositide turnover and Ca ²⁺ signaling; plays a role in positive regulation of exocytosis [RGD, Feb 2006] |